

SEQUENCE LISTING

<110> Junming Le
Jan Vilcek
Peter Daddona
John Ghrayeb
David M. Knight
Scott Siegel

<120> Anti-TNF Antibodies and Peptides of
Human Tumor Necrosis Factor

<130> 0975.1005-008

<150> U.S. 09/133,119
<151> 1998-08-12

<150> U.S. 08/570,674
<151> 1995-12-11

<150> U.S. 08/324,799
<151> 1994-10-18

<150> U.S. 08/192,102
<151> 1994-02-04

<150> U.S. 08/192,861
<151> 1994-02-04

<150> U.S. 08/192,093
<151> 1994-02-04

<150> U.S. 08/010,406
<151> 1993-01-29

<150> U.S. 08/013,413
<151> 1993-02-02

<150> U.S. 07/943,852
<151> 1992-09-11

<150> U.S. 07/853,606
<151> 1992-03-18

<150> U.S. 07/670,827
<151> 1991-03-18

<160> 19

<170> FastSEQ for Windows Version 4.0

<210> 1
<211> 157
<212> PRT
<213> Peptide

```

<400> 1
Val Arg Ser Ser Ser Arg Thr Pro Ser Asp Lys Pro Val Ala His Val
   1           5           10          15
Val Ala Asn Pro Gln Ala Glu Gly Gln Leu Gln Trp Leu Asn Arg Arg
   20          25          30
Ala Asn Ala Leu Leu Ala Asn Gly Val Glu Leu Arg Asp Asn Gln Leu
   35          40          45
Val Val Pro Ser Glu Gly Leu Tyr Leu Ile Tyr Ser Gln Val Leu Phe
   50          55          60
Lys Gly Gln Gly Cys Pro Ser Thr His Val Leu Leu Thr His Thr Ile
   65          70          75          80
Ser Arg Ile Ala Val Ser Tyr Gln Thr Lys Val Asn Leu Leu Ser Ala
   85          90          95
Ile Lys Ser Pro Cys Gln Arg Glu Thr Pro Glu Gly Ala Glu Ala Lys
  100         105         110
Pro Trp Tyr Glu Pro Ile Tyr Leu Gly Gly Val Phe Gln Leu Glu Lys
  115         120         125
Gly Asp Arg Leu Ser Ala Glu Ile Asn Arg Pro Asp Tyr Leu Asp Phe
  130         135         140
Ala Glu Ser Gly Gln Val Tyr Phe Gly Ile Ile Ala Leu
  145         150         155

```

```

anne <----> 210> 2
Anne <----> 211> 321
Anne <----> 212> DNA
Anne <----> 213> cDNA

```

220>
221> CDS
222> (0) . . . (321)

acg ttc ggc tcg ggg aca aat ttg gaa gta aaa
Thr Phe Gly Ser Gly Thr Asn Leu Glu Val Lys
100 105

<210> 3
<211> 107
<212> PRT
<213> Protein

```

<400> 3
Asp Ile Leu Leu Thr Gln Ser Pro Ala Ile Leu Ser Val Ser Pro Gly
   1          5                  10                  15
Glu Arg Val Ser Phe Ser Cys Arg Ala Ser Gln Phe Val Gly Ser Ser
   20          25                  30
Ile His Trp Tyr Gln Gln Arg Thr Asn Gly Ser Pro Arg Leu Leu Ile
   35          40                  45
Lys Tyr Ala Ser Glu Ser Met Ser Gly Ile Pro Ser Arg Phe Ser Gly
   50          55                  60
Ser Gly Ser Gly Thr Asp Phe Thr Leu Ser Ile Asn Thr Val Glu Ser
   65          70                  75                  80
Glu Asp Ile Ala Asp Tyr Tyr Cys Gln Gln Ser His Ser Trp Pro Phe
   85          90                  95
Thr Phe Gly Ser Gly Thr Asn Leu Glu Val Lys
   100         105

```

210> 4
211> 357
212> DNA
213> cDNA

<220>
<221> CDS
<222> (0) . . . (357)

4000> 4
aaatcaa gtg aag ctt gag gag tct gga gga ggc ttg gtg caa cct gga gga 48
lu Val Lys Leu Glu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

```
tcc atg aaa ctc tcc tgt gtt gcc tct gga ttc att ttc agt aac cac 96
Ser Met Lys Leu Ser Cys Val Ala Ser Gly Phe Ile Phe Ser Asn His
          20           25           30
```

tgg atg aac tgg gtc cgc cag tct cca gag aag ggg ctt gag tgg gtt 144
Trp Met Asn Trp Val Arg Gln Ser Pro Glu Lys Gly Leu Glu Trp Val
35 40 45

```

gct gaa att aga tca aaa tct att aat tct gca aca cat tat gcg gag      192
Ala Glu Ile Arg Ser Lys Ser Ile Asn Ser Ala Thr His Tyr Ala Glu
      50          55          60

```

tct	gtg	aaa	ggg	agg	ttc	acc	atc	tca	aga	gat	gat	tcc	aaa	agt	gct	240
Ser	Val	Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asp	Ser	Lys	Ser	Ala	
65					70						75				80	

gtc tac ctg caa atg acc gac tta aga act gaa gac act ggc gtt tat 288
 Val Tyr Leu Gln Met Thr Asp Leu Arg Thr Glu Asp Thr Gly Val Tyr
 85 90 95

tac tgt tcc agg aat tac tac ggt agt acc tac gac tac tgg ggc caa 336
 Tyr Cys Ser Arg Asn Tyr Tyr Gly Ser Thr Tyr Asp Tyr Trp Gly Gln
 100 105 110

ggc acc act ctc aca gtc tcc 357
 Gly Thr Thr Leu Thr Val Ser
 115

<210> 5
 <211> 119
 <212> PRT
 <213> Protein

<400> 5
 Glu Val Lys Leu Glu Glu Ser Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15
 Ser Met Lys Leu Ser Cys Val Ala Ser Gly Phe Ile Phe Ser Asn His
 20 25 30
 Trp Met Asn Trp Val Arg Gln Ser Pro Glu Lys Gly Leu Glu Trp Val
 35 40 45
 Ala Glu Ile Arg Ser Lys Ser Ile Asn Ser Ala Thr His Tyr Ala Glu
 50 55 60
 Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Ser Ala
 65 70 75 80
 Val Tyr Leu Gln Met Thr Asp Leu Arg Thr Glu Asp Thr Gly Val Tyr
 85 90 95
 Tyr Cys Ser Arg Asn Tyr Tyr Gly Ser Thr Tyr Asp Tyr Trp Gly Gln
 100 105 110
 Gly Thr Thr Leu Thr Val Ser
 115

<210> 6
 <211> 8
 <212> PRT
 <213> Protein

<400> 6
 Gly Thr Leu Val Thr Val Ser Ser
 1 5

<210> 7
 <211> 7
 <212> PRT
 <213> Protein

<400> 7
 Gly Thr Lys Leu Glu Ile Lys
 1 5

<210> 8		
<211> 20		
<212> DNA		
<213> cDNA		
<400> 8		
cctggataacc tgtgaaaaga	20	
<210> 9		
<211> 27		
<212> DNA		
<213> cDNA		
<400> 9		
cctggatccc tagtcaccgt ctccctca	27	
<210> 10		
<211> 27		
<212> DNA		
<213> cDNA		
<400> 10		
aatacgatatac tccttcaaca cctgcaa	27	
<210> 11		
<211> 21		
<212> DNA		
<213> cDNA		
<400> 11		
atcggggacaa agttggaaat a	21	
<210> 12		
<211> 16		
<212> DNA		
<213> cDNA		
<400> 12		
ggcgggtctgg taccgg	16	
<210> 13		
<211> 19		
<212> DNA		
<213> cDNA		
<400> 13		
gtcaacaaca tagtcatca	19	
<210> 14		
<211> 23		
<212> DNA		
<213> cDNA		
<400> 14		
cacaggtgtc tccccaaagga aaa	23	

<210> 15
<211> 18
<212> DNA
<213> cDNA

<400> 15
aatctggggt aggcaccaa 18

<210> 16
<211> 17
<212> DNA
<213> cDNA

<400> 16
agtgtgtgtc cccaaagg 17

<210> 17
<211> 24
<212> DNA
<213> cDNA

<400> 17
cacagctgcc cgcccgaggc gcat 24

<210> 18
<211> 17
<212> DNA
<213> cDNA

<400> 18
atcgccagtg ctccccctt 17

<210> 19
<211> 20
<212> DNA
<213> cDNA

<400> 19
atcggacgtg gacgtgcaga 20